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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/711,461	09/20/2004	Mukta G. Farooq	FIS920040001US1	5460
29505 7590 01/24/2007 LAW OFFICE OF DELIO & PETERSON, LLC. 121 WHITNEY AVENUE			EXAMINER	
			JOHNSON, JONATHAN J	
NEW HAVEN,	, CT 06510		ART UNIT	PAPER NUMBER
			1725	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
31 D	AYS	01/24/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)	
Office Action Commence	10/711,461	FAROOQ ET AL.	
Office Action Summary	Examiner	Art Unit	
	Jonathan Johnson	1725	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet w	th the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNI: 1.136(a). In no event, however, may a load will apply and will expire SIX (6) MONute, cause the application to become Al	CATION. eply be timely filed THS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).	
Status		•	
1) Responsive to communication(s) filed on <u>08</u> 2a) This action is FINAL . 2b) The Tree Since this application is in condition for allow closed in accordance with the practice under	nis action is non-final. vance except for formal matt	•	
Disposition of Claims			
4) Claim(s) 1-20 is/are pending in the application 4a) Of the above claim(s) is/are withdr 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-20 are subject to restriction and/or	rawn from consideration.		
Application Papers			
 9) The specification is objected to by the Examination 10) The drawing(s) filed on is/are: a) and according a construction of the specific and a construction is objected to by the latent and a construction of the specific and a construction of the specific and a construction is objected to by the latent and a construction of the specific a	ccepted or b) objected to be drawing(s) be held in abeyar action is required if the drawing	ce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a list	nts have been received. nts have been received in A iority documents have been au (PCT Rule 17.2(a)).	pplication No received in this National Stage	
Attachment(s) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s	ummary (PTO-413))/Mail Date Iformal Patent Application 	

DETAILED ACTION

Election/Restrictions

The examiner withdraws the restriction requirement made on 11-8-06 and offers the following new restriction requirement:

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-16, drawn to a method of forming solder joints, classified in class 228, subclass 178.
- II. Claims 17-20, drawn to a circuit assembly, classified in class 174, subclass 257. The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the joints in the invention of group II could be heated to a temperature less than 217° C as opposed to the heating to a temperature between 217 °C and 260° C as claimed in the invention of Group I.

Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the inventions have acquired a separate status in the art in view of their different classification, restriction for examination purposes as indicated is proper.

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Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

IF APPLICANT ELECTS GROUP I, THEN APPLICANT MUST ADDITIONALLY ELECT ONE OF THE FOLLOWING:

This application contains claims directed to the following patentably distinct species of the claimed invention:

- Ia. Claims 2 and 10 are drawn to a first lead free composition.
- Ib. Claims 3 and 11 are drawn to a second lead free composition.
- Ic. Claims 4, 5, 12, and 13 are drawn to a lead containing solder.
- Id. Claims 6, 7, and 14 are drawn to the temperature ranges.
- Ie. Claims 8, and 15 are drawn to a configuration having no distinct regions.
- If. Claims 16 are drawn to a configuration of substantially oblate ellipsoid shape.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claims 1 and 9 are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

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Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

A telephone call was made to Ira Blecker on 1-22-07 to request an oral election to the above restriction requirement, but did not result in an election being made.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jonathan Johnson whose telephone number is 571-272-1177. The examiner can normally be reached on M-Th 7AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan at 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) 97571-272-1000.

Jonathan Johnson

Primary Examiner

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